

Grevillea,

A MONTHLY RECORD OF CRYPTOGAMIC BOTANY,
AND ITS LITERATURE.

BRITISH FUNGI.

By M. C. COOKE. (Continued from p. 74.)

Agaricus (Mycena) ammoniacus. Fr. "Strong-scented Mycena."

Strong scented; pileus membranaceous, conical, then expanded, umbonate, naked, discoid, opaque; paler at the margin and striate; stem rather firm, even, smooth, dry, rooting; gills adnate, linear, distinct, whitish.—Fr. *Ep.* p. 109. Fr. *Obs. ii.*, p. 155. *B. & Br. N. H.* No. 1214.

On the ground. Oct. Lyndhurst.

Pileus normally brown or blackish, sometimes cinereous; stem not yellowish, 2 in. long, $\frac{1}{2}$ line thick.

Agaricus (Mycena) peltatus. Fr. "Peltate Mycena."

Pileus rather firm, convex, then plane, obtuse, densely striate to the middle, disc somewhat fleshy orbicular, even, plane; stem even, smooth, villous below; gills with a decurrent tooth, crowded, ventricose, grey, with the edge paler.—Fr. *S. M. i.* p. 145. Fr. *Epic.* p. 110. *Br. Bath Trans.* 1870, p. 64. *Ag. ambustus*, *Secr.*, No. 927.

Amongst moss. Warleigh Down.

Inodorous. Pileus $\frac{3}{4}$ in. broad, dark brown when moist, when dry becoming somewhat depressed at the centre, and paler.

Agaricus (Mycena) sacchariferus. *B. & Br.* "Sparkling Mycena."

Whitish. Pileus hemispherical, stem short, filiform; gills few, rather thick, sprinkled with shining granules.—*B. & Br.*, *Ann. N. H.*, No. 1216. *Br. Bath Trans.* 1870, p. 64.

On bramble and nettle stalks. March. Batheaston.

Pileus 2 lines broad; stem 2 lines high, fixed at the base by a few flocci; gills 8-9, very distant, arcuato-decurrent, their margin and even the surface granulated. Allied to *A. tenerimus*, which has crystalline particles on the pileus, but the gills are free and ventricose. *B. & Br.*

Agaricus (Omphalia) leucophyllus. Fr. "White-gilled Omphalia."

Pileus submembranaceous, infundibuliform, becoming even, not floccose, dark cinereous, margin reflexed, involute; stem stuffed,

then fistulose, rather rigid, equal, even, smooth, cinereous; gills decurrent, rather distant, arcuate, distinct, whitish.—*Fr. in Vet. Ac. Förh.* 1851. *Fr. Mon. Hym. i. p.* 183. *B. & Br. Ann. N. H. No.* 1217.

Amongst short grass. Coed Coch.

Stem $1\frac{1}{2}$ inch and more long, 1 line thick. Pileus about an inch across.

Agaricus (Omphalia) rusticus. *Pers.* “Rustic Omphalia.”

Pileus membranaceous, slightly convex, umbilicate, striate, smooth, hygrophanous, when dry smooth and silky; stem somewhat stuffed, slender, smooth, greyish brown; gills decurrent, thick, rather distant, equally attenuated towards each extremity, grey, margin arcuate.—*Pers. Obs. i. t. 4, f.* 12. *B. & Br. Ann. N. H. No.* 1217, *bis.* *Fr. Ep. p.* 124.

On the ground. Sept. Coed Coch.

Agaricus (Pleurotus) mutilus. *Fr.* “Mutilated Pleurotus.”

White, soft, pileus rather fleshy, versiform, when dry silky, becoming smooth; stem excentric, short, and sublateral, terete, erect, villous at the base; gills decurrent, narrow, rather thick, and somewhat crowded.—*Fr. S. M. i. p.* 191. *B. & Br. Ann. N. H. No.* 1221. *Fr. Epicr. p.* 134. *Batt. t. ix. e.*

On dead wood. Dec.

Agaricus (Volvaria) medius. *Fr.* “Intermediate Volvaria.”

White, pileus fleshy, convexo-plane, obtuse, viscid, of one colour; margin even; stem solid, equal, smooth; volva lobed.—*Fr. Epicr. p.* 139. *Fl. Dan. t.* 1676. *Br. Bath. Trans.* 1870, *p.* 65.

In woods, &c. Warleigh Down.

Agaricus (Clitopilus) vilis. *Fr.* “Paltry Clitopilus.”

Pileus rather membranaceous, convex, umbilicate, somewhat striate with silky flocci, soft, hygrophanous; stem hollow, thin, equal, fibrilloso-striate, grey; gills adnate, decurrent, crowded, whitish or greyish.—*Fr. Epicr. p.* 150. *Br. Bath. Trans. p.* 66.

In pine woods, amongst moss. Leigh Woods.

Stem 2-3 in high, about 1 line thick. Pileus about an inch broad.

Agaricus (Leptonia) lappula. *Fr.* “Bur-like Leptonia.”

Pileus rather fleshy, convexo-plane, the darker umbilicus punctate with short erect fibrils; stem fistulose, slightly striate, lilac with a brown tint, apex naked, punctate with black; gills adnate, seceding, ovate, crowded, whitish.—*Fr. Ep. p.* 152. *B. & Br. Ann. N. H. No.* 1225.

Amongst leaves of beech. Forres.

Agaricus (Leptonia) solstitialis. *Fr.* “Solstitial Leptonia.”

Pileus rather fleshy, depressed, papillate in the centre, rugulose, obsoletely clad with innate fibrils; stem somewhat hollow, smooth, smoky; gills emarginate, broad, whitish.—*Fr. Ep. p.* 152. *B. & Br. Ann. N. H. No.* 1226.

Amongst stones by the side of Lake Ceneord, Aberdeenshire. Sept.

Agaricus (Leptonia) lazulinus. *Fr.* "Bright-blue Leptonia."

Pileus submembranaceous, campanulate, then expanded, obtuse, discoid, at first even, striate when moist; stem fistulose, smooth, nearly of a cœrulean blue; gills adnate, crowded, equally attenuated, pale bluish.—*Fr. Ep. p.* 143. *B. & Br. Ann. N. H. No.* 1227. *Pers. Ic. Pict. t. 4. f.* 3, 4.

On the ground amongst grass. Sept. Aber.

Agaricus (Nolanea) mammosus. *Fr.* "Mammose Nolanea."

Pileus somewhat membranaceous, conico-campanulate, papillate, striate, smooth, hygrophaneous; when dry isabelline and silky; stem fistulose, rigid, polished, even, smooth, mealy at the apex; gills affixed, seceding, rather crowded, grey.—*Fr. Epicr. p.* 156. *Bull. t.* 526. *Br. Bath. Trans.* 1870, *p.* 66. *Batsch. f.* 5.

In meadows. Chippenham.

Pileus brown. Stem elongated, fragile, shining.

Agaricus (Nolanea) verecundus. *Fr.* "Modest Nolanea."

Pileus campanulate, then convex; disc fleshy, smooth, somewhat umbonate, about the thin margin striate and flocculose; stem fistulose, rather firm, growing pale, mealy at the apex; gills adnate, whitish.—*Fr. Spic. p.* 6. *Fr. Ep. p.* 158. *B. & Br. Ann. N. H. No.* 1228.

Amongst short grass. Sept. Aber.

Agaricus (Stropharia) inunctus. *Fr.* "Anointed Stropharia."

Pileus campanulate, then convexo-plane, covered with an evanescent gelatinous cuticle; stem attenuated downwards, white, floccoso-fibrillose below the ring; gills broad, adnate, purplish-brown.—*B. & Br. Ann. No.* 1229.

On rich ground. Ely, &c.

Pileus 2 in. across, fleshy, livid; stem $2\frac{1}{2}$ in. high, $\frac{1}{4}$ in. thick, stuffed, composed of fibres; spores purplish-brown, $\cdot 00028$ in. long. Resembles some states of *A. æruginosus*, but the spores are of a different colour and much smaller.—*B. & Br.*

Agaricus (Pholiota) confragosus. *Fr.* "Rugged Pholiota."

Pileus fleshy, thin, convexo-plane, obtuse, clad with flocculose scales, hygrophaneous; margin striate; stem fistulose, equal, fibrillose below the membranaceous ring; gills adnate, very much crowded, rufous.—*Fr. Ep. p.* 169. *B. & Br. Ann. N. H. No.* 1232.

On an old fallen elm. Coed Coch.

Stem 3 in. long, about 2 lines thick. Subcœspitose, fragile. Spores oblong, ferruginous ($\cdot 0003 \times \cdot 00015$ in.)

Agaricus (Hebeloma) phæjocephalus. *Bull.* "Bullard's Hebeloma."

Pileus subcampanulate, rarely flattened and umbonate, fuliginous, becoming brownish, smooth; stem thick, swollen at the base, naked, straight, grey with brownish lines, white at the base; gills free, semilunate, very broad, yellowish bistre colour.—*Bull. t.* 555. *f.* 1. *B. & Br. N. H. No.* 1233.

Oct. Near Wellington.

Pileus 2-4 in. broad; stem 3-5 in. high, 4-7 lines thick. The spores are bright ferruginous red.

Agaricus (Hebeloma) calamistratus. *Fr.* "Crispate Hebeloma."

Pileus fleshy, thin, campanulate, obtuse, stem solid, rigid, base sky blue, squarrose everywhere with rigid recurved scales; gills adnexed, whitish, then ferruginous.—*Fr. S. M. i. p.* 256. *B. & Br. Ann. N. H. No.* 1234. *Fr. Epicr. p.* 171.

In fir woods. Sept. Luggela, Wicklow.

A noble species, remarkable for the blue colour of the base of the stem. Spores .0005 in. long, smooth.

AGARICUS (HEBELOMA) GEOPHYLLUS. *Sow.* Var. **LATERITIUS.**
—*B. & Br. Ann. N. H. No.* 1234.*

This curious form, if it is really the same species, has been sent to us by Mr. Jerdon from Jedburgh. When dry it retains its brick-red colour. *B. & Br.*

Agaricus (Hebeloma) scabellus. *Fr.* "Ragged-cap Hebeloma."

Pileus rather fleshy, campanulate, then plane, when dry lacerated into scales or fibrils, umbo obtuse, even, smooth; stem somewhat stuffed, thin, smooth, growing pale, pruinose at the apex; gills adnexed, ventricose, rather distant, pallid.—*Fr. Epicr. p.* 177. *Fr. S. M. i. p.* 259. *B. & Br. Ann. N. H. No.* 1235.

Amongst short grass. Oct. Little Ormes Head.

Pileus chestnut, sericeo-squamulose; stem white, pruinose at the apex; gills ventricose, adnexed, ascending, pallid.

Agaricus (Hebeloma) firmus. *Pers.* "Firm Hebeloma."

Pileus viscid, gibbous, smooth; stem not attenuated, brown downwards and within; gills thin, slightly sinuated behind, cinnamon brown.—*Pers. Ic. & descr. t.* 5, *f.* 3, 4. *B. & Br. Ann. N. H. No.* 1236. *A. clavus. Batsch. f.* 199.

In fir woods. Sept. Gwrwch, Denbighshire.

Taste not bitter, smell raphanoid. Colour exactly as in Batsch's figure.

Agaricus (Hebeloma) elatus. *Batsch.* "Elevated Hebeloma."

Pileus fleshy, convexo-plane, obtuse, even, smooth, rather viscid; stem stuffed, elongated, cylindrical, twisted, adpressedly fibrillose, apex farinaceous, growing pale; gills rounded, crowded, dry, pale ferruginous.—*Batsch. f.* 108. *B. & Br. Ann. N. H. No.* 1238. *Fr. Epicr. p.* 181.

Amongst pine leaves.

Odour very strong; stem 4 in. long, 4 lines thick. Pileus orbicular, 3 in. broad, tan colour, margin thin; gills 3 lines broad, unspotted.

Agaricus (Hebeloma) hongardii. *Weinm.* "Bongard's Hebeloma."

Pileus rather fleshy, campanulate, obtuse, disc squamose, torn and fibrillose about the margin; stem solid, rigid, pale rubescent, reddish silky below, apex sprinkled with a whitish powder; gills adnate, ventricose, broad, pale reddish, then cinnamon.—*Weinm. p.* 190. *Fr. Epicr. p.* 173.

On sandhills. Forres. (J. K.)

With the odour of Bergamot. Stem 2-3 in. long, 2 lines thick.

Pileus 1-1½ in. broad, fuscous when moist, pallid when dry, not rimose.

Agaricus (Hebeloma) lanuginosus. *Bull.* "Woolly Hebeloma."

Pileus rather fleshy, hemispherical, then expanded, obtuse, flocoso-squamulose, the scales of the disc erect and squarrose; stem solid, thin, squamose, fibrillose, with a whitish powder above; gills seceding, thin, denticulate, pallid clay colour.—*Bull. t.* 370. *Br. Bath. Trans.* 1870. *p.* 67. *Fr. Epicr. p.* 171.

On the ground. Near Bristol.

Agaricus (Hebeloma) uniformis. *P.* "Uniform Hebeloma."

Pileus rather fleshy, convex, umbonate, piloso-squamose, stem somewhat hollow, fibrillose and squamulose, farinaceous at the apex; gills arcuate, affixed, ventricose, pallid olivaceous.—*Pers. Icon. Pict. t.* 15. *f.* 1. *Br. Bath Trans.* 1870. 67. *A. dulcamarus. Fr. Epicr. p.* 171.

In fir plantations. Bathford.

Agaricus (Flammula) mixtus. *Fr.* "Mixed Flammula."

Pileus fleshy, convex, then plane, obtuse, viscid; disc darker, rugulose; stem hollow, curved, pallid, with brownish fibrils, and rufous scales below; gills subdecurrent, crowded, pale clay colour.—*Fr. Ep. p.* 185. *B. & Br. Ann. N. H. No.* 1239. *bis.*

On the ground in pine woods. (*C. E. B.*)

Stem 1-3 in. long, 3-4 lines thick, somewhat flexuous, incrassated at the base. Pileus 1-2 in. broad, margin paler.

Agaricus (Flammula) alnicola. *Fr.* "Alder stem Flammula."

Pileus fleshy, convexo-plane, moist, even; from the first rather fibrillose or squamose, sometimes smooth; stem somewhat hollow, attenuated and rooting, fibrillose, yellow, becoming ferruginous; gills sub-adnate, broad, pallid, then ferruginous.—*Fr. S. M. i. p.* 250. *Fr. Epicr. p.* 187. *B. & Br. Ann. No.* 1242.

On stumps of various trees. Epping.

Agaricus (Flammula) conissans. *Fr.* "Tan-coloured Flammula."

Pileus fleshy, thin, convex, then plane, equal, smooth when moist; stem hollow, silky-fibrillose, pallid; gills adnate, thin, very much crowded, dingy pallid, becoming clay-coloured.—*Fr. Ep. p.* 187. *Bull. t.* 178. *B. & Br. Ann. N. H. No.* 1243.

On dead stumps.

Often confounded with *A. fascicularis*, but with differently coloured gills and spores. Pileus yellowish-tan, rather viscid.

Agaricus (Flammula) lubricus. *Fr.* "Slippery Flammula."

Pileus fleshy, convex, then plane, even, viscid; stem solid, rather attenuated, fibrillose, whitish, apex striate; gills adnate, broad, pallid, then clay-coloured.—*Fr. S. M. i. p.* 252. *Fr. Epicr. p.* 185. *B. & Br. Ann. N. H. no.* 1245.

On trunks. Tunbridge Wells.

Agaricus (Naucoria) semiflexus. *B. & Br.* "Half-turned Naucoria."

Pileus hemispherical, chestnut colour, hygrophaneous, margin fringed with a delicate white veil; flesh white; stem semi-hori-

zontal, solid; gills distant, adnexed, brownish; spores echinulate.—*B. & Br. Ann. N. H. No. 1246.*

On the side of a bank. Oct. Ascot.

Pileus $\frac{1}{2}$ in. across, subcampanulate, then hemispherical, or flattened above, moderately fleshy; stem $\frac{3}{4}$ in. high, $\frac{2}{3}$ line thick; spores oblong, .0003-.0004 long, .00025-.0003 in. wide. Allied to *A. horizontalis*. *B. & Br.*

Agaricus (Naucoria) scolecinus. *Fr.* "Rusty Naucoria."

Pileus rather fleshy, campanulate, then convex or plane, smooth, margin slightly striate; stem fistulose, equal, ferruginous, or rufous-ferruginous, sprinkled with white meal; gills adnate, rather distant, pale flesh colour, then ferruginous, edge flocculose.—*Fr. Ep. p. 194. B. & Br. Ann. N. H. No. 1247.*

On moist ground under alders. Sept Powerscourt.

Spores apiculate, .0003 in. long, .0013 in. wide; stem 2-3 in. long, 1 line thick; pileus $\frac{1}{2}$ - $\frac{3}{4}$ in. broad, ferruginous bay, paler at the margin.

Agaricus (Naucoria) tenax. *Fr.* "Tough Naucoria."

Pileus somewhat fleshy, campanulate, then expanded, smooth, slightly viscid, hygrophaneous, stem stuffed, then hollow, equal, yellow, brownish, slightly striate with adpressed fibrils; veil fugacious; gills adnate, rather distant, edge whitish.—*Fr. S. M. i. p. 290. Weimm. p. 262. Fr. Epicr. p. 198. B. & Br. Ann. N. H. No. 1248.*

On sticks in a ditch. Oct. Welford, Norths.

Pileus cinnamon, ochraceous when dry; stem becoming ferruginous or olivaceous; gills pallid, olivaceous, becoming ferruginous.

Agaricus (Naucoria) crobulus. *Fr.* "Scaly Naucoria."

Pileus rather fleshy, convexo-plane, obtuse, with whitish evanescent floccose scales, then smooth; stem fistulose, brown, with whitish scales, gills adnate, decurrent, crowded, ferruginous, brown.—*Fr. S. M. i. p. 200. Fr. Epicr. p. 200. B. & Br. Ann. N. H. No. 1249.*

In a ditch amongst fragments of sticks. Oct. Welford, Norths.

Pileus slightly viscid, scarcely striate, when dry tan-coloured, rather shining.

Agaricus (Galera) rubiginosus. *Pers.* "Rubiginous Galera."

Pileus membranaceous, campanulate, obtuse, everywhere sulcate or striate, hygrophaneous; stem filiform, equal, thin, shining, smooth, rubiginous; gills adnate, ascending, distant, broad, opaque.—*Pers. syn. p. 385. B. & Br. Ann. N. H. No. 1252. Fr. Epicr. 206. Mich. Gen. t. 75. f. 8.*

Amongst moss. Sept. Kew.

Pileus cinnamon or honey-coloured, tan colour when dry; stem 2 in. long, flexile.

Agaricus (Psalliota) merdarius. *Fr.* "Dung Psalliota."

Pileus convexo-plane, obtuse, smooth, moist, hygrophaneous; stem hollow, tough, short, flocculose when dry, and pallid; ring

lacerated, fugacious; gills adnate, broad, yellowish, then umber.—*Fr. S. M. i. p. 291. B. & Br. Ann. No. 1255. Fr. Epicr. p. 220. Weimm. p. 253. Buxb. C. 4. t. 16. f. 2.*

On dung. Oct. Sibbertoft.

Densely gregarious. Pileus moist, prettily edged with the remains of the veil, $\frac{1}{2}$ -1 in. across; stem $\frac{1}{2}$ - $\frac{1}{3}$ in. high.—*B. & Br.*

Agaricus (Hypholoma) leucotephrus. *B. & Br.* "White-capped Hypholoma."

Cæspitose. Pileus at first pallid, subcampanulate, rugose, then convex, expanded, whitish; stem silky-fibrillose below, apex striate, or between sulcate and striate, fistulose; ring broad, here and there appendiculate; gills narrow, at first cinereous-white, slightly adnate, then grey, nearly black.—*B. & Br. Ann. N. H. No. 1256.*

In large masses at the base of ash trees. Oct. North Kilworth.

Pileus 3 in. across; stem 4 in. high, 5 lines thick; gills $1\frac{1}{2}$ line broad; spores .00028 in. long .00019 in. wide, very dark brown purple. Clearly different from *A. Candollianus* and *A. appendiculatus*, *Fr.* The pileus is not of a rich brown when young, nor are the gills when old at all brown.—*B. & Br.*

Agaricus (Psilocybe) agnarius *Fr.* "Whitish Psilocybe."

Pileus conical-convex, then expanded, whitish, then becoming cinereous, not hygrophanous, subumbonate, between sulcate and striate; flesh white; stem flexuous, fistulose, white; gills rather distant, somewhat broad, briefly adnate or adnexed, cinereous.—*Fr. MSS. B. & Br. Ann. N. H. No. 1257.*

About the roots of decayed trees. Oct. North Kilworth, Leicestershire.

Allied to *A. coprophilus*. In colour the pileus somewhat resembles *Hygrophorus ovinus*.

Agaricus (Panæolus) acuminatus. *Fr.* "Acuminate Panæolus."

Pileus rather fleshy, conic, acuminate, even, smooth, shining, zoned about the margin with a blackish line; stem thin, equal, pruinose, bicolored; gills adnexed, ventricose, crowded, becoming blackish. *Fr. Epicr. p. 237. Batt. t. 22. F. B. & Br. Ann. N. H. No. 1258.*

On dung. Oct. Sibbertoft.

Exactly accords with Batarra's figure, which scarcely agrees with the specific name. *B. & Br.*

Agaricus (Psathyrella) subatratus. *Batsch.* "Blackish Psathyrella."

Pileus rather membranaceous, campanulate, then expanded, umbonate, striate, rugulose, sprinkled with pruinose atoms; stem straight, rather firm, shining with a silky lustre, naked; gills adnexed, fuliginous, becoming black.—*Batsch. f. 89. B. & Br. Ann. N. H. No. 1260. Fr. Epicr. p. 238.*

In grassy places. Sept. Batheaston.

Pileus rufescent, growing pale, scarce exceeding 1 in. broad. Stem $1\frac{1}{2}$ line thick, clad with whitish down at the base.

Agaricus (Psathyrella) caudatus. Fr. "Caudate Psathyrella."

Pileus membranaceous, conico-campanulate, striate, hygrophaneous, even when dry; stem elongated, somewhat attenuated from the rooting base, at length twisted; gills adnate, cinereous, becoming black.—Fr. *Obs. ii.* p. 187. Fr. *Ep.* p. 239. B. & Br. *Ann. N. H.* No. 1261, Paul. t. 124. f. 1. 2.

Amongst the stumps of a wooden pavement. Sept. Sibbertoft.

A small form. Pileus at first sienna brown, at length whitish, often transversely cracked; stem at first white, fibrillose; gills ventricose, adnate. B. & Br.

Agaricus (Psathyrella) empyreumaticus. B. & Br. "Empyreumatic Psathyrella."

Pileus expanded, hygrophaneous, sprinkled with atoms, rufous, growing pale; stem elongated, between silky and scurfy, pallid, narrowly fistulose; gills broad, thick, distant, adnate with a decurrent tooth, rufous, with a pallid edge.—B. & Br. *Ann. N. H.* No. 1262.

On a wooden pavement. Oct. Sibbertoft.

Pileus $1\frac{1}{2}$ in. across, margin crenate; stem $2\frac{1}{2}$ in. high, $1\frac{1}{2}$ line thick, narrowly but distinctly fistulose; gills 2 lines broad, connected by veins, rufous, then brown-purple; spores black. Resembling *A. confragosus* so closely that, till the spores were observed, it was taken for that species.—B. & Br.

ON THREE NEW SPECIES OF AGARICUS FROM A STOVE.

By THE REV. M. J. BERKELEY, M.A., F.L.S.

It is pretty certain that most of the Hymenomycetous fungi which occur in stoves are of exotic origin. *A. cepastipes* and an allied similarly coloured species, which are the produce of our hot-houses, occur naturally in hot countries, and have never been found wild in Europe, and the same may be said of some others. The three species at present described appear to be quite new, and one of them is amongst the most interesting of the genus.

1. **Agaricus (Collybia) Dorotheæ.** B.

Pileo primum subgloboso fusco, dein applanato subumbonato pallidior, demum depresso usque ad centrum radiato-sulcato granulato, setulis brevibus candidis sparso; margine crenato; stipite basi fibrilloso luteo vel rufo, sursum candicante velut pileus granuloso-hispidulo setuloso; lamellis candidis distantibus adnatis leviter ventricosis postice connexis, acie integra.

On a dead fern stem from Jamaica, in a hothouse at Dangstein. Lady Dorothy Nevill.

Pileus at first globose, dark brown, then flatly hemispherical, at